

# Arthur J Cheng

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

56  
papers

1,124  
citations

18  
h-index

32  
g-index

69  
ext. papers

1,378  
ext. citations

4.3  
avg, IF

4.65  
L-index

#	Paper	IF	Citations
56	Exercise reduces intramuscular stress and counteracts muscle weakness in mice with breast cancer.. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , <b>2022</b> ,	10.3	2
55	Functional Impact of Post-exercise Cooling and Heating on Recovery and Training Adaptations: Application to Resistance, Endurance, and Sprint Exercise.. <i>Sports Medicine - Open</i> , <b>2022</b> , 8, 37	6.1	3
54	Mitochondrial NDUFA4L2 is a novel regulator of skeletal muscle mass and force. <i>FASEB Journal</i> , <b>2021</b> , 35, e22010	0.9	1
53	Calcium sensitivity during staircase with sequential incompletely fused contractions. <i>Journal of Muscle Research and Cell Motility</i> , <b>2021</b> , 42, 59-65	3.5	2
52	Carbohydrate restriction following strenuous glycogen-depleting exercise does not potentiate the acute molecular response associated with mitochondrial biogenesis in human skeletal muscle. <i>European Journal of Applied Physiology</i> , <b>2021</b> , 121, 1219-1232	3.4	
51	Promoting a pro-oxidant state in skeletal muscle: Potential dietary, environmental, and exercise interventions for enhancing endurance-training adaptations. <i>Free Radical Biology and Medicine</i> , <b>2021</b> , 176, 189-202	7.8	3
50	Carbohydrates do not accelerate force recovery after glycogen-depleting followed by high-intensity exercise in humans. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2020</b> , 30, 998-1007	4.6	5
49	Intramuscular mechanisms of overtraining. <i>Redox Biology</i> , <b>2020</b> , 35, 101480	11.3	28
48	Measuring Ca in Living Cells. <i>Advances in Experimental Medicine and Biology</i> , <b>2020</b> , 1131, 7-26	3.6	6
47	Impaired sarcoplasmic reticulum Ca release is the major cause of fatigue-induced force loss in intact single fibres from human intercostal muscle. <i>Journal of Physiology</i> , <b>2020</b> , 598, 773-787	3.9	14
46	Fast skeletal muscle troponin activator CK-2066260 mitigates skeletal muscle weakness independently of the underlying cause. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , <b>2020</b> , 11, 1747-1757	10.3	1
45	Intact single muscle fibres from SOD1 amyotrophic lateral sclerosis mice display preserved specific force, fatigue resistance and training-like adaptations. <i>Journal of Physiology</i> , <b>2019</b> , 597, 3133-3146	3.9	4
44	Mechanisms of prolonged low-frequency force depression: in vivo studies get us closer to the truth. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2019</b> , 316, R502-R503	3.2	3
43	Moderately elevated extracellular [K] potentiates submaximal force and power in skeletal muscle via increased [Ca] during contractions. <i>American Journal of Physiology - Cell Physiology</i> , <b>2019</b> , 317, C900-C909	5.1	6
42	Fast skeletal muscle troponin activator CK-2066260 increases fatigue resistance by reducing the energetic cost of muscle contraction. <i>Journal of Physiology</i> , <b>2019</b> , 597, 4615-4625	3.9	17
41	LIM and cysteine-rich domains 1 (LMCD1) regulates skeletal muscle hypertrophy, calcium handling, and force. <i>Skeletal Muscle</i> , <b>2019</b> , 9, 26	5.1	8
40	Oxidative hotspots on actin promote skeletal muscle weakness in rheumatoid arthritis. <i>JCI Insight</i> , <b>2019</b> , 5,	9.9	10

39	Toxic doses of caffeine are needed to increase skeletal muscle contractility. <i>American Journal of Physiology - Cell Physiology</i> , <b>2019</b> , 316, C246-C251	5.4	13
38	SR Ca leak in skeletal muscle fibers acts as an intracellular signal to increase fatigue resistance. <i>Journal of General Physiology</i> , <b>2019</b> , 151, 567-577	3.4	20
37	Role of Ca in changing active force during intermittent submaximal stimulation in intact, single mouse muscle fibers. <i>Pflugers Archiv European Journal of Physiology</i> , <b>2018</b> , 470, 1243-1254	4.6	5
36	Cooling down the use of cryotherapy for post-exercise skeletal muscle recovery. <i>Temperature</i> , <b>2018</b> , 5, 103-105	5.2	5
35	Molecular Basis for Exercise-Induced Fatigue: The Importance of Strictly Controlled Cellular Ca Handling. <i>Cold Spring Harbor Perspectives in Medicine</i> , <b>2018</b> , 8,	5.4	50
34	Perceived Versus Performance Fatigability in Patients With Rheumatoid Arthritis. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 1395	4.6	3
33	Post-exercise recovery of contractile function and endurance in humans and mice is accelerated by heating and slowed by cooling skeletal muscle. <i>Journal of Physiology</i> , <b>2017</b> , 595, 7413-7426	3.9	44
32	Mechanical isolation, and measurement of force and myoplasmic free [Ca] in fully intact single skeletal muscle fibers. <i>Nature Protocols</i> , <b>2017</b> , 12, 1763-1776	18.8	22
31	The Ca sensitizer CK-2066260 increases myofibrillar Ca sensitivity and submaximal force selectively in fast skeletal muscle. <i>Journal of Physiology</i> , <b>2017</b> , 595, 1657-1670	3.9	13
30	Intramuscular Contributions to Low-Frequency Force Potentiation Induced by a High-Frequency Conditioning Stimulation. <i>Frontiers in Physiology</i> , <b>2017</b> , 8, 712	4.6	6
29	Reactive oxygen/nitrogen species and contractile function in skeletal muscle during fatigue and recovery. <i>Journal of Physiology</i> , <b>2016</b> , 594, 5149-60	3.9	71
28	Impaired Ca(2+) release contributes to muscle weakness in a rat model of critical illness myopathy. <i>Critical Care</i> , <b>2016</b> , 20, 254	10.8	18
27	Muscle Fatigue Affects the Interpolated Twitch Technique When Assessed Using Electrically-Induced Contractions in Human and Rat Muscles. <i>Frontiers in Physiology</i> , <b>2016</b> , 7, 252	4.6	14
26	Can't live with or without it: calcium and its role in Duchenne muscular dystrophy-induced muscle weakness. Focus on "SERCA1 overexpression minimizes skeletal muscle damage in dystrophic mouse models". <i>American Journal of Physiology - Cell Physiology</i> , <b>2015</b> , 308, C697-8	5.4	8
25	Ryanodine receptor fragmentation and sarcoplasmic reticulum Ca <sup>2+</sup> leak after one session of high-intensity interval exercise. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 15492-7	11.5	100
24	Cyclophilin D, a target for counteracting skeletal muscle dysfunction in mitochondrial myopathy. <i>Human Molecular Genetics</i> , <b>2015</b> , 24, 6580-7	5.6	11
23	Antioxidant treatments do not improve force recovery after fatiguing stimulation of mouse skeletal muscle fibres. <i>Journal of Physiology</i> , <b>2015</b> , 593, 457-72	3.9	52
22	Intracellular Ca(2+) handling and myofibrillar Ca(2+) sensitivity are defective in single muscle fibres of aged humans. <i>Journal of Physiology</i> , <b>2015</b> , 593, 3237-8	3.9	

21	Intracellular Ca(2+)-handling differs markedly between intact human muscle fibers and myotubes. <i>Skeletal Muscle</i> , <b>2015</b> , 5, 26	5.1	17
20	Nitrosative modifications of the Ca2+ release complex and actin underlie arthritis-induced muscle weakness. <i>Annals of the Rheumatic Diseases</i> , <b>2015</b> , 74, 1907-14	2.4	34
19	Isolated Intercostal Muscle Fibers as a Human Skeletal Muscle Ex Vivo Model. <i>FASEB Journal</i> , <b>2015</b> , 29, LB700	0.9	
18	Subcellular distribution of glycogen and decreased tetanic Ca2+ in fatigued single intact mouse muscle fibres. <i>Journal of Physiology</i> , <b>2014</b> , 592, 2003-12	3.9	45
17	Doublet discharge stimulation increases sarcoplasmic reticulum Ca2+ release and improves performance during fatiguing contractions in mouse muscle fibres. <i>Journal of Physiology</i> , <b>2013</b> , 591, 3739-48	3.9	23
16	Factors contributing to the fatigue-related reduction in active dorsiflexion joint range of motion. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2013</b> , 38, 490-7	3	9
15	BITTdown and relax: the interpolated twitch technique is still a valid measure of central fatigue during sustained contraction tasks. <i>Journal of Physiology</i> , <b>2013</b> , 591, 3677-8	3.9	4
14	Distinct underlying mechanisms of limb and respiratory muscle fiber weaknesses in nemaline myopathy. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>2013</b> , 72, 472-81	3.1	20
13	Dietary nitrate increases tetanic [Ca2+]i and contractile force in mouse fast-twitch muscle. <i>Journal of Physiology</i> , <b>2012</b> , 590, 3575-83	3.9	192
12	Impaired mitochondrial respiration and decreased fatigue resistance followed by severe muscle weakness in skeletal muscle of mitochondrial DNA mutator mice. <i>Journal of Physiology</i> , <b>2012</b> , 590, 6187-97	3.9	28
11	Methods to detect Ca(2+) in living cells. <i>Advances in Experimental Medicine and Biology</i> , <b>2012</b> , 740, 27-43	3.6	23
10	Antioxidants and Skeletal Muscle Performance: "Common Knowledge" vs. Experimental Evidence. <i>Frontiers in Physiology</i> , <b>2012</b> , 3, 46	4.6	23
9	Crosstalk between nitrosative stress and altered Ca2+ handling in arthritis-induced skeletal muscle dysfunction. <i>Annals of the Rheumatic Diseases</i> , <b>2012</b> , 71, A43.3-A44	2.4	
8	Potentialiation of the triceps brachii during voluntary submaximal contractions. <i>Muscle and Nerve</i> , <b>2011</b> , 43, 859-65	3.4	9
7	Fatigue-induced reductions of torque and shortening velocity are muscle dependent. <i>Medicine and Science in Sports and Exercise</i> , <b>2010</b> , 42, 1651-9	1.2	19
6	The influence of muscle length on the fatigue-related reduction in joint range of motion of the human dorsiflexors. <i>European Journal of Applied Physiology</i> , <b>2010</b> , 109, 405-15	3.4	7
5	Voluntary activation in the triceps brachii at short and long muscle lengths. <i>Muscle and Nerve</i> , <b>2010</b> , 41, 63-70	3.4	9
4	Isometric torque and shortening velocity following fatigue and recovery of different voluntary tasks in the dorsiflexors. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2009</b> , 34, 866-74	3	16

3	Fatigue and recovery of power and isometric torque following isotonic knee extensions. <i>Journal of Applied Physiology</i> , <b>2005</b> , 99, 1446-52	3.7	58
2	Quadriceps fatigue caused by catchlike-inducing trains is not altered in old age. <i>Muscle and Nerve</i> , <b>2004</b> , 30, 743-51	3.4	10
1	A comparison of adductor pollicis fatigue in older men and women. <i>Canadian Journal of Physiology and Pharmacology</i> , <b>2003</b> , 81, 873-9	2.4	10